

## § 62.01-1

### Subpart 62.25—General Requirements for All Automated Vital Systems

- 62.25-1 General.
- 62.25-5 All control systems.
- 62.25-10 Manual alternate control systems.
- 62.25-15 Safety control systems.
- 62.25-20 Instrumentation, alarms, and centralized stations.
- 62.25-25 Programable systems and devices.
- 62.25-30 Environmental design standards.

### Subpart 62.30—Reliability and Safety Criteria, All Automated Vital Systems

- 62.30-1 Failsafe.
- 62.30-5 Independence.
- 62.30-10 Testing.

### Subpart 62.35—Requirements for Specific Types of Automated Vital Systems

- 62.35-1 General.
- 62.35-5 Remote propulsion control systems.
- 62.35-10 Flooding safety.
- 62.35-15 Fire safety.
- 62.35-20 Oil-fired main boilers.
- 62.35-35 Internal combustion engine starting systems.
- 62.35-40 Fuel systems.
- 62.35-50 Tabulated monitoring and safety control requirements for specific systems.

### Subpart 62.50—Automated Self-propelled Vessel Manning

- 62.50-1 General.
- 62.50-20 Additional requirements for minimally attended machinery plants.
- 62.50-30 Additional requirements for periodically unattended machinery plants.

AUTHORITY: 46 U.S.C. 3306, 3703, 8105; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; 49 CFR 1.46.

SOURCE: CGD 81-030, 53 FR 17838, May 18, 1988, unless otherwise noted.

## Subpart 62.01—General Provisions

### § 62.01-1 Purpose.

The purpose of this part is to make sure that the safety of a vessel with automated vital systems, in maneuvering and all other sailing conditions, is equal to that of the vessel with the vital systems under direct manual operator supervision.

### § 62.01-3 Scope.

(a) This part contains the minimum requirements for vessel automated vital systems. Specifically, this part contains—

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(1) In subpart 62.25, the general requirements for all vital system automation;

(2) In subpart 62.30, the criteria used to evaluate the designed reliability and safety of all automated vital systems;

(3) In subpart 62.35, the minimum additional equipment, configuration, and functional requirements necessary when certain vital systems are automated; and

(4) In subpart 62.50, the minimum additional requirements when automated systems are provided to replace specific personnel or to reduce overall crew requirements.

### § 62.01-5 Applicability.

(a) *Vessels.* This part applies to self-propelled vessels of 500 gross tons and over that are certificated under subchapters D, I, or U and to self-propelled vessels of 100 gross tons and over that are certificated under subchapter H.

(b) *Systems and equipment.* Except as noted in § 62.05-5(c), this part applies to automation of vital systems or equipment that—

(1) Is automatically controlled or monitored;

(2) Is remotely controlled or monitored; or

(3) Utilizes automation for the purpose of replacing specific personnel or to reduce overall crew requirements.

(c) *Exceptions.* This part does not apply to the following systems and equipment unless they are specifically addressed or unless their failure would degrade the safety and reliability of the systems required by this part:

(1) Automatic auxiliary heating equipment (see part 63 of this subchapter).

(2) Steering systems (see subparts 58.25 and 111.93 of this chapter).

(3) Non-vital and industrial systems.

(4) The communication and alarm systems in part 113 of this chapter.

(d) *Central control rooms.* The requirements of subpart 62.50 only apply to vessels automated to replace specific personnel or to reduce overall crew requirements, except where the main propulsion or ship service electrical generating plants are automatically or remotely controlled from a control room. In this case, § 62.50-20(a)(3) (except the provision in paragraph 62.50-